

Please add the abstract as follows:

A layered double hydroxide (LDH) includes at least one intermediate layer, and M^{II} surrounded by OH^- , with replacement of the bivalent metal ions by M^{III} producing an excess of positive charge, balanced by anions A^{n-} in the intermediate layer, wherein M^{II} denotes a divalent metal ion or 2 Li, M^{III} denotes a trivalent metal ion. The LDH can be used in mixtures and preparations such as auxiliary materials, additives, seeds, seedlings, or propagation materials. Also it is possible to use the LDH in a method of nitrate removal in purification of water.